

BRIHANMUMBAI MUNICIPAL CORPORATION OF GREATER MUMBAI

TNMC & BYL Nair Ch. Hospital, Mumbai- 400008.

Expression of Interest.

Subject- To invite Expression of Interest from vendors to supply Fully Automated Hematology Analyzer (1 Nos.) for use in Department of Medicine, TNMC & BYL Nair Ch. Hospital through CSR fund received in PPF of BYL Nair Hospital from Mazgaon Dock Shipbuilders Limited (MDL).

TNMC & BYL Nair Ch. Hospital is a tertiary referral center with 1623 beds. Being a major hospital in South Mumbai, a lot of critically ill patients are admitted to / treated in the wards & OPD of this hospital. All of these patients need Hematology tests for diagnosis and management. For this, we propose to procure Fully Automated_Hematology Analyzer machine in the Medicine Research Laboratory of The Medicine Department, TNMC & BYL Nair Ch. Hospital,

For procurement of Fully Automated_Hematology Analyzer machine, it is proposed to invite "Expression of Interest" from potential vendors to supply the same for patients coming to EMS/MICU/Medical wards of this hospital.

To supply required Fully Automated_Hematology Analyzer machine, vendors should obtain **Application Form** from **Dean Office on 23.09.2024 to 30.09.2024** and submit all required documents on or before **30.09.2024**, up to 1.00 pm in the drop box in Dean Office, College building, Ground floor of T.N.M.C. & B.Y.L. Nair Ch. Hospital. This will be a 2 stage EOI comprising of 2 packets; Packet A - relevant documents related to the technical specifications along with the duly filled Application form AND Packet B- Commercial documents (quotation in the prescribed format). **Packet A will be opened on 01.10.2024 & packet B will be opened on 07.10.2024** in the Dean's Office.

**SPECIFICATIONS FOR FULLY AUTOMATED HEMATOLOGY ANALYZER
MACHINE FOR DEPARTMENT OF MEDICINE, TNMC & BYL NAIR CH.
HOSPITAL, MUMBAI CENTRAL, MUMBAI.**

Specifications of Fully Automated Hematology Analyzer.

1. The analyzer should be a 6/9 -part differential analyzer with throughput of at least 60 samples per hour & should have an Auto-Loader function.
2. The analyzer should also have whole blood mode and pre-dilution mode for pediatric or geriatric patients.
3. There must be minimum 28 reportable parameters WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW-SD, RDW-CV, PDW, MPV, P-LCR, PCT, NEUT#, LYMPH#, MONO#, EOS#, BASO#, NEUT%, LYMPH%, MONO%, EOS%, BASO%, IG#, IG%, MicroR, MacroR, etc.
4. Flagging of NRBC and iRBC (RBC with inclusions of parasitic origin) is standard in every measurement.
5. System should be further upgradable to additional modes like Body fluid mode, Low WBC mode, Reticulocyte mode.
6. Required sample volume should be 30 μ L or less in whole blood mode and 80 μ L in pre-diluted mode.
7. Instrument should use fluorescence flow cytometry for WBC differential counting, impedance method with hydrodynamic focusing for RBC & PLT enumeration.
8. Instrument should use Cyanide-free SLS hemoglobin method for Hb measurement.
9. Instrument should have QC data storage for more than 90 different lots with minimum 300 plots per lot.
10. Instrument should store patient results for more than 10,000 samples.
11. Instrument should be CE/USFDA certified.
12. Installations at substantial locations in INDIA.
13. Manufacturers should also be manufacturing the reagents/kits needed for the machine which are approved from US FDA and CE (European), controls, calibrators with traceability certificate and external quality assurance scheme (EQAS).
14. System should have warranty for period of 3 years warranty + 5 years CMC including all regular consumables like electrodes, lamps, tubing including UPS with batteries and printer and/or related consumables during the complete period of initial 3 years of warranty period.

During this period all costs of preventive maintenance like lamps, reaction cells, tubing's, UPS with batteries shall be borne by manufacturers. Hospital will not pay for any preventive maintenance required during entire period of warranty.

15. After warranty of 3 years, all participating companies should quote CAMC charges including complete maintenance, rates for consumables like lamp, UPS with batteries (rates for all these consumables should be negotiable) from 4th to 8th year as stated in warranty clauses. Hospital will not pay any maintenance requirement during the entire period of machine. Firms must provide the price list of reagents / kits to enable the hospital to procure the same as per requirement and prices of the same will remain fixed for a period of 8 years. Hospital will not allow any price increase during same period. Pack size of reagents should be small and should not be more than 800 tests so to prevent on board expiry of reagents.

General Conditions:-

1. All the above equipment shall be new and manufactured from virgin materials. All the requirements of this supply shall be necessary sourced from the original equipment manufacturer of the model quoted except UPS, PC / Printer which shall not be necessary sourced from the original equipment manufacturer of the model quoted but should be compatible with the quoted model. In case the machine is an imported one, no import substitution is permitted neither before the award nor after the award for any part or accessory. "Third party inspection certificate should be applied from the port of origin of shipping of equipment (from the parent companies country of origin)."
2. Equipment shall operate on 230V + 15% single phase, 50 Hz + 3% electric supply. The necessary protective relaying / circuitry shall be there with the machine. The mains supply voltage variation may be max.±10% and frequency variation maximum ±3 %.
3. The quoted model shall be CE mark from European Conformity (EC) notified bodies (under MDD) along with declaration of conformity issued from European address or valid US FDA approval for the offered model and accessories along with documentary evidence to that effect shall be uploaded.
 - a) Declaration of conformity by manufacturer or EU representative of manufacturer for the quoted model.
 - b) Documentary evidence regarding firm registered with EEA (European Economic Area) Competent authority is required.
Or European Representative registered with EEA (European Economic Area)
Competent authority is required.

- Or other documents like certificate from notified body along with declaration of conformity.
- c) The equipment shall be having warranty of 3 years & CMC of 5 years after 3rd year. The Warranty and CMC shall cover all the spare parts for total 8 years (Warranty 3 years and CMC 5 years). The manufacturer shall supply spares, consumables along with technical support for at least two years after the contract period of eight years is over. Commercial bid will be inclusive of warranty and CMC (Warranty 3 years and CMC 5 years).
 - d) The equipment should be provided with one hard copy in original of the detailed service manual and operation manual. Further, a soft copy is also required.
 - e) The equipment must be tropicalized as below:
 - Operating room temperature: 40° C
 - Storage room temperature: 60° C
 - Relative Humidity: up to 90% Non-condensing.
 - f) Prospective tenderers should have a full-fledged and well-established service centre in Mumbai with engineers qualified in servicing of entire FULLY AUTOMATED HEMATOLOGY ANALYZER MACHINE. Please provide details of the same in Annexure – 1.
 - g) Demonstration of quoted model is compulsory.
 - h) Service training to MEC engineers and operational training to user department.

The Installation Report & necessary documents will be submitted to the Donor. The Donor will deposit the Payment in Nair Poor Patient fund (PPF). Vendor will be by Nair PPF after receiving payment from donor. For doubts or any query you can contact at the Dean's office /Department of Medicine - Tel. No. 02223027125/02223027101/7122

Sd/-

**Professor & Head,
Medicine Department,
TNMC & BYL Nair Ch. Hospital,
Mumbai Central, Mumbai 400 008.**

Sd/-

**Dr. Anjali Parande,
Head of Social Service Dept.,
TNMC & BYL Nair Ch. Hospital,
Mumbai Central, Mumbai 400008.**

Sd/-

**Administrative Officer
TNMC & BYL Nair Ch Hospital,
Mumbai Central, Mumbai 400 008.**

Sd/-

**Dy. Dean
TNMC & BYL Nair Ch Hospital,
Mumbai Central, Mumbai 400 008.**

Sd/-

**Dean,
TNMC & BYL Nair Ch Hospital,
Mumbai Central, Mumbai 400 008.**